



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

XIV. *The Apparent Times of the Immersions and Emerfions of Jupiter's Satellites, for the Year 1739. computed to the Meridian of the Royal Observatory at Greenwich, by James Hodgson, F. R. S. and Master of the Royal Mathematical School in Christs Hofpital, London.*

ECLIPSES of the first Satellite of JUPITER.

D. H. M.				D. H. M.				D. H. M.			
JANUARY.				FEBRUARY.				MARCH.			
Emerfions.				Emerfions.				Emerfions.			
2	7	44	E	1	9	50	E	2	5	36	M
4	2	12	E	3	4	19	E	3	12	5	E
6	8	41	M	5	10	48	M	5	6	35	E
8	3	9	M	7	5	17	M	7	1	4	E
9	9	37	E	8	11	46	E	9	7	33	M
11	4	6	E	10	6	15	E	11	2	3	M
13	10	34	M	12	0	44	E	12	8	32	E
15	5	3	M	14	7	13	M	14	3	2	E
16	11	31	E	16	1	42	E	16	9	31	M
18	6	00	E	17	8	11	E	18	4	0	M
20	0	28	E	19	2	40	E	19	10	30	E
22	6	57	M	21	9	10	M	21	4	59	E
24	1	26	M	23	3	39	E	23	11	28	M
25	7	54	E	24	10	8	E	25	5	57	E
27	2	23	E	26	4	37	E	27	0	27	M
29	8	52	M	28	11	7	M	28	6	56	E
31	3	23	M					30	1	25	E

APRIL.

ECLIPSES of the first Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
APRIL.	9 6 24 M	23 0 13 E
Emerfions.	11 0 53 M	25 6 42 M
	12 7 21 E	27 1 10 M
	14 1 49 E	28 7 39 E
1 7 55 M	16 8 17 M	30 2 8 E
	18 2 45 M	
	19 9 14 E	AUGUST.
Jupiter and the	21 3 43 E	Immerfions.
Sun will be in	23 10 10 M	
Conjunction on	25 4 38 M	
the 23d Day in	26 11 6 E	1 8 36 M
the Morning.	28 5 35 E	3 3 5 M
	30 0 3 E	4 9 33 E
		6 4 3 E
		8 10 32 M
MAY.	JULY.	10 5 1 M
Immerfions.	Immerfions.	11 11 30 E
26 2 38 M	2 6 31 M	13 5 58 E
27 9 7 E	4 1 0 M	15 0 27 E
29 3 35 E	5 7 28 E	17 6 56 M
31 10 3 M	7 1 56 E	19 1 25 M
	9 8 25 M	20 7 54 E
	11 2 53 M	22 2 23 E
JUNE.	12 9 22 E	24 8 52 M
Immerfions.	14 3 50 E	26 3 22 M
	16 10 19 M	27 9 51 E
2 4 31 M	18 4 47 M	29 4 20 E
3 11 0 E	19 11 16 E	31 10 49 M
5 5 28 E	21 5 44 E	
7 11 56 M		
		SEPTEMBER.

ECLIPSES of the first Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.		
SEPTEMBER.				
Immersions.				
2 5 18 M	11 3 56 M	19 4 31 M		
3 11 47 E	12 10 25 E	20 10 59 E		
5 6 16 E	14 4 54 E	22 5 27 E		
7 0 45 E	16 11 23 M	24 11 55 M		
9 7 14 M	18 5 51 M	26 6 23 M		
11 1 43 M	20 0 20 M	28 0 51 M		
12 8 13 E	21 6 49 E	29 7 19 E		
14 2 42 E	23 1 17 E	DECEMBER.		
16 9 11 M	25 7 46 M	Emersions.		
18 3 40 M	27 2 14 M	1 1 47 E		
19 10 9 E	28 8 43 E	2 8 15 M		
21 4 38 E	30 3 11 E	5 2 42 M		
23 11 7 M	NOVEMBER.			
25 5 36 M	Immersions.			
27 0 5 M	1 9 40 M	6 9 10 E		
28 6 34 E	3 4 8 E	8 3 38 E		
30 1 3 E	4 10 36 E	10 10 6 M		
OCTOBER.				
Immersions.				
2 7 32 M	6 5 5 E	12 4 34 M		
4 2 1 M	8 11 33 M	13 11 2 E		
5 8 30 E	10 6 1 M	15 5 30 E		
7 2 59 E	12 0 29 M	17 11 58 M		
9 9 27 M	Emersions.			
	13 9 7 E	19 6 26 M		
	15 3 35 E	21 0 54 M		
	17 10 3 M	22 7 22 E		
		24 1 50 E		
		26 8 18 M		
		28 2 46 M		
		29 9 14 E		
		31 3 42 E		

ECLIPSES of the second Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
JANUARY.		
Emerfions.		
3 3 17 M	15 5 33 M	22 3 33 M
6 4 35 E	18 6 52 E	26 4 50 M
10 5 52 M	22 8 12 M	29 6 8 E
13 7 10 E	25 9 31 E	
17 8 28 M	29 10 51 M	JULY.
20 9 46 E		Immerfions.
24 11 4 M	APRIL.	
28 0 23 M	Jupiter and the	3 7 25 M
31 1 41 E	Sun in Conjunction on the 23d	6 8 44 E
	Day in the	10 10 0 M
	Morning.	13 11 18 E
		17 0 36 E
		21 1 54 M
FEBRUARY.	MAY.	24 3 12 E
Emerfions.	Immerfions.	28 4 30 M
4 3 0 M		31 5 48 E
7 4 9 E	25 5 14 M	
11 5 38 M	28 6 32 E	AUGUST.
14 6 57 E		Immerfions.
18 8 16 M	JUNE.	
21 9 35 E	Immerfions.	4 7 7 M
25 10 55 M		7 8 25 E
		11 9 44 M
MARCH.		14 11 3 E
Emerfions.	1 7 49 M	18 0 22 E
1 0 14 M	4 9 7 E	22 1 40 M
4 1 35 E	8 10 24 M	25 2 59 E
8 2 54 M	11 11 41 E	29 4 18 M
	15 0 59 E	
	19 2 16 E	SEPTEMBER.

ECLIPSES *of the third* Satellite of JUPITER.

D. H. M.				D. H. M.				D. H. M.			
JANUARY.				Emerfions.				FEBRUARY.			
Immerfions.								Immerfions.			
I	9	II	E	I	II	23	E				
9	I	II	M	9	3	23	M	6	5	16	E
16	5	II	M	16	7	23	M	13	9	19	E
23	9	12	E	23	II	23	M	21	I	22	M
30	I	13		30	3	24		28	5	26	M
				K				Emerfions			

ECLIPSES of the third Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
Emerfions.	Emerfions.	21 1 47 E
6 7 27 E		28 5 47 E
13 11 29 E	JUNE.	Emerfions.
21 3 32 M	Immerfions.	7 8 0 M
28 7 36 M		14 0 0 E
MARCH.	1 9 52 M	21 4 1 E
Immerfions.	8 1 51 E	28 8 2 E
7 9 30 M	15 5 50 E	AUGUST.
	22 9 48 E	Immerfions.
	30 1 48 M	4 9 48 E
Emerfions.	Emerfions.	12 1 50 M
7 11 40 M	15 8 2 E	19 5 52 M
14 3 43 E	22 12 1 E	26 9 54 M
21 7 47 E	30 4 0 E	
28 11 51 E	JULY.	Emerfions.
MAY.	Immerfions.	5 0 3 M
Immerfions.	7 5 47 M	12 4 5 M
	14 7 47 M	19 8 8 M
25 5 53 M		26 0 11 E

SEPTEMBER.

ECLIPSES of the *third* Satellite of JUPITER.

D. H. M.	D. H. M.	D. H. M.
SEPTEMBER.	22 6 7 E	DECEMBER.
Immerfions.	29 10 7 E	Immerfions.
	Emerfions.	
2 1 56 E	1 8 24 M	19 1 52 M
9 5 58 E	8 0 26 E	26 5 49 M
16 10 1 E		Emerfions.
24 2 3 M	NOVEMBER.	
Emerfions.	Immerfions.	
2 4 13 E	6 2 6 M	4 8 24 E
9 8 16 E	Emerfions.	12 0 22 M
17 0 19 M		19 4 20 M
24 4 22 M		26 8 18 M
OCTOBER.	13 8 29 M	
Immerfions.	20 0 28 E	
	27 4 26 E	
1 6 5 M		
8 10 6 M		
15 2 7 E		

The fourth *Satellite* will continue to pafs wide of the Shadow till the 24th of *June* 1740, when the Immerfion will happen at 8 Hours, 42 Minutes, 42 Seconds; and the Emerfion at 10 Hours, 15 Minutes, 0 Seconds, in the Evening.